

REFRIGERATOR – ELECTRONICS ARCHITECTURE

ABSTRACT OF THE DISCLOSURE

5 A control system for a refrigeration system having a refrigeration compartment and a quick chill/thaw pan. A main controller board, electrically connected to a temperature adjustment board and a dispenser board through the serial communications bus, controls the temperature of the refrigeration compartment and the quick chill/thaw pan. The control system accepts a plurality of inputs to determine a refrigeration mode and to execute a plurality of software algorithms to control the refrigeration compartment as both a chill pan to rapidly chill food and beverage items without freezing and a thaw pan to timely thaw frozen items at controlled temperature levels.